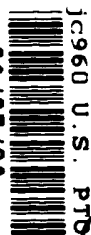


03/05/02



j0960 U.S. PTO

Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 12,354  
First Inventor Emilio Castano Graff  
Title CENTRIFUGE AND CASCADE FOR THE SEPARATION OF GASES  
Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 34]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - b. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
  - ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
10. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_/\_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

Name William W. Haefliger  
201 So. Lake Ave., Suite 512  
Address  
City Pasadena State CA Zip Code 91101  
Country USA Telephone (323) 684-2707 Fax (626) 449-0520

Name (Print/Type)	William W. Haefliger	Registration No. (Attorney/Agent)	17,120
Signature		Date	Feb 22, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

## for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 881.00)

## Complete if Known

Application Number

Filing Date

First Named Inventor

Emilio Castano Graff et al

Examiner Name

Group Art Unit

Attorney Docket No.

12,354

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

08-0118

Deposit  
Account  
Name

William W. Haefliger

☐ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	370.
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ 370.)

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
35	20** = 15	9	135.
11	3** = 8	42	336.
Multiple Dependent			

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 84	202 42	Independent claims in excess of 3	
104 280	204 140	Multiple dependent claim, if not paid	
109 84	209 42	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 471.)

\*\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65			Surcharge - late filing fee or oath	
127 50	227 25			Surcharge - late provisional filing fee or cover sheet	
139 130	139 130			Non-English specification	
147 2,520	147 2,520			For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*			Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*			Requesting publication of SIR after Examiner action	
115 110	215 55			Extension for reply within first month	
116 400	216 200			Extension for reply within second month	
117 920	217 460			Extension for reply within third month	
118 1,440	218 720			Extension for reply within fourth month	
128 1,960	228 980			Extension for reply within fifth month	
119 320	219 160			Notice of Appeal	
120 320	220 160			Filing a brief in support of an appeal	
121 280	221 140			Request for oral hearing	
138 1,510	138 1,510			Petition to institute a public use proceeding	
140 110	240 55			Petition to revive - unavoidable	
141 1,280	241 640			Petition to revive - unintentional	
142 1,280	242 640			Utility issue fee (or reissue)	
143 460	243 230			Design issue fee	
144 620	244 310			Plant issue fee	
122 130	122 130			Petitions to the Commissioner	
123 50	123 50			Processing fee under 37 CFR 1.17(q)	
126 180	126 180			Submission of Information Disclosure Stmt	
581 40	581 40			Recording each patent assignment per property (times number of properties)	40.
146 740	246 370			Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370			For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370			Request for Continued Examination (RCE)	
169 900	169 900			Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	William W. Haefliger	Registration No. (Attorney/Agent)	17,120	Telephone	(323) 684-2707
Signature		Date	Feb 22, 2002		

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor Emilio Castano Graff

Title CENTRIFUGE AND CASCADE FOR THE  
SEPARATION OF GASES

Atty Docket Number 12,354

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

2/1/02

Date

*Samir Nayyar*

Signature

*President*

Typed or printed name

Energent Corporation

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Art Unit

Examiner:

Applicant:

Emilio Castano Graff et al

Serial No.:

Filed:

For:

CENTRIFUGE AND CASCADE FOR  
THE SEPARATION OF GASES

-----  
Pasadena, California  
February 22, 2002

DISCLOSURE STATEMENT

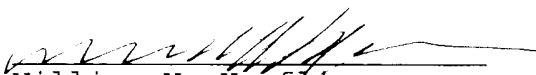
Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Examiner's attention is directed to the  
following patents: none.

Respectfully submitted,

  
William W. Haeffiger  
Attorney for Applicant  
Registration No. 17,120  
(323) 684-2707

WWH:ts

Docket 12,354